

CFP: The 8th IEEE International Conference on Big Data Security on Cloud (IEEE BigDataSecurity 2022)

May 6th-8th, 2022, Jinan, China

<http://www.cloud-conf.net/datasec/2022/index.html>

Many novel techniques and applications are invented based on the rapid development of big data. Today, some aspects for both scientific research and people's daily life have been influenced by big data based technology such as artificial intelligence, cloud computing, and Internet of Things. Providing security and privacy for big data storage, transmission, and processing have been attracting much attention in all big data related areas. IEEE BigDataSecurity 2022 addresses this domain and aims to gather recent academic achievements in this field.

Security and robustness on Artificial Intelligence is the second concentration of IEEE BigDataSecurity 2022. The emerging needs for building reliable and robust AI models in Big Data and Cloud environments with security and privacy guaranteed have attracted attention from a number of different perspectives. The new methods deployed in Big Data and Cloud environment have covered distinct dimensions, such as robust deep learning, secure deep learning/machine learning, multi-party computing, edge/fog computing, energy consumptions, high performance, and heterogeneous resources, cloud models, heterogeneous architecture, tele-health, resource allocation, load balance, multimedia, and QoS, etc.

Topics of particular interest include, but are not limited to:

- Artificial intelligence security
- Novel big data security issues
- Novel big data privacy issues
- Blockchain-based security mechanism
- Blockchain-based big data sharing
- Security and privacy issues in blockchain
- Big data security issues in IoT
- Big data security issues in cloud computing
- Big data privacy in cloud computing
- Big data storage, integration, service, mining
- Virtualization for big data on cloud
- MapReduce with cloud for big data processing
- Heterogeneous architecture for cloud computing
- Dynamic resource sharing algorithm for clouds
- Load balance for cloud computing
- Mobile cloud computing
- Mobile commerce security and privacy
- Green cloud computing
- Cyber Security in emergent technologies
- Cyber hacking, next generation fire wall
- Cyber monitoring, incident response
- Database security, data center security
- Cyber threat intelligence
- Sensor network security in cloud computing
- Security policy and legal considerations
- Cloud and networking security
- Cloud computing and networking models
- Embedded system security

Committees

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Important Dates

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